



**Matt Wilkening**

05/02/2005 08:14 AM

To: Dave Tomten/R10/USEPA/US@EPA  
cc:  
Subject: Re: low Se detection limits

Dave,

We were on the same wavelength last week. Attached is Gina's response to my question about the method.

Matt Wilkening

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----- Forwarded by Matt Wilkening/R10/USEPA/US on 05/02/2005 08:13 AM -----



**Gina Grepo-Grove**

04/29/2005 03:44 PM

To: Matt Wilkening/R10/USEPA/US@EPA  
cc:  
Subject: Re: low Se detection limits

Hi, Matt,

I just got back from Spokane today. Anyway, the method you are asking is a hydride generation spectroscopy which is highly recommended for brackish or sea water samples. We have not actually used that method for Se, but we have used a variation of this method for ultra low As. Frontier Geoscience is a very good lab. We have used this lab for Portland Harbor, Lower duwamish - mostly for ultra low arsenic or methylmercury or speciated arsenic. My only concern with the lab's data is that they usually blank correct the data US Forest service can always specify in their contract with FGS not to blank correct the data.

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Matt Wilkening



**Matt Wilkening**

04/27/2005 09:01 AM

To: Gina Grepo-Grove/R10/USEPA/US@EPA  
cc:  
Subject: low Se detection limits

Gina,

My counterpart with the US Forest Service has run across a lab that reports 0.05µg/L as their MDL using an HG-AFS process (instrument?).

Are you familiar with the use of this instrument? If the regulatory limit is 5.0 ug/l can you think of any reason why such a low detection limit would be useful?

The attached email contains a link to the lab. Have you heard of these guys?

Any info is appreciated.

Matt Wilkening



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----- Forwarded by Matt Wilkening/R10/USEPA/US on 04/27/2005 09:53 AM -----



Jeff Jones

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04/27/2005 08:52 AM

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cc:

Subject: low Se detection limits

I was recently told of this company that can analyze for Se and a suite of other contaminants with a Method Detection limit much lower than we are currently getting. They report 0.05µg/L as their MDL using the method HG-AFS. I don't know this method, however, I've registered on their website to find out more. I haven't, at this point, thought about the advantages of a lower detection but it may be worthy of discussion. I was told this method is less expensive than our current list of methods. I can't verify that yet.

If anyone knows more about this company and their methods I would be interested in that information. I would also endorse a rigorous Qa/Qc assessment before we adopt their method. Might be something we can discuss during next months interagency call.

<http://www.fgsdata.com/index.php?option=content&task=view&id=40&Itemid=39>

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